

Customer No.: 31561
Application No.: 10/604,269
Docket No.: 7638-US-PA

In The Claims:

Claim 1. (currently amended) A reflective liquid crystal display, comprising:

a liquid crystal display panel having a plurality of pixels, wherein each pixel has a plurality of color blocks; and

a regional light source over the liquid crystal display panel to radiate directly thereon, wherein the regional light source includes a plurality of spots scattered over each of the color blocks.

Claim 2. (currently amended) The reflective liquid crystal display according to Claim 1, wherein the regional light source comprises:

a substrate; and

a plurality of a light-emitting structure spots on one side of the substrate.

Claim 3. (currently amended) The reflective liquid crystal display according to Claim 2, wherein the light-emitting structure spots ~~is~~ are disposed on the side of the liquid crystal display panel facing the liquid crystal display panel.

Claim 4. (currently amended) The reflective liquid crystal display according to Claim 2, wherein the light-emitting structure spots ~~is~~ are disposed on the side of the liquid crystal display panel distal to the liquid crystal display panel.

Claim 5. (currently amended) The reflective liquid crystal display according to Claim 2, wherein the light-emitting structure spots includes ~~an~~ organic light emitting diodes.

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Claim 6. (currently amended) The reflective liquid crystal display according to Claim 5, wherein each of the light-emitting structure spots further comprises:

- a cathode;
- an anode, under the cathode at the side facing the liquid crystal display panel; and
- a luminescent layer, between the cathode and the anode.

Claim 7. (cancelled)

Claim 8. (currently amended) The reflective liquid crystal display according to Claim 7, wherein each of the light-emitting structure spots is disposed across at least two of the color blocks.

Claim 9. (cancelled).

Claim 10. (original) The reflective liquid crystal display according to Claim 1, wherein the liquid crystal display panel comprises:

- a color filter;
- a polarizer on the color filter;
- a thin-film transistor substrate without direct contact to the color filter;
- a reflection layer, formed on the thin-film transistor substrate; and
- a liquid crystal layer, filled between the color filter and the thin-film transistor substrate.

Claim 11. (original) The reflective liquid crystal display according to Claim 10, wherein the regional light source is directly mounted to the polarizer.

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Claim 12. (currently amended) A reflective liquid crystal display, comprising:
a liquid crystal display panel, having a plurality of pixels, and each of the pixels having a plurality of color blocks; and
a regional light source ~~an organic light emitting diode~~, disposed over the liquid crystal display panel to radiate thereon directly, wherein the regional light source is located at an edge of each of the color blocks correspondingly.

Claim 13. (currently amended) The reflective liquid crystal display according to Claim 12, wherein the regional light source ~~light emitting diode~~ comprises:

a substrate; and
a light-emitting diode on one side of the substrate.

Claim 14. (original) The reflective liquid crystal display according to Claim 13, wherein the light-emitting diode is disposed on the side of the liquid crystal display panel facing the liquid crystal display panel.

Claim 15. (original) The reflective liquid crystal display according to Claim 13, wherein the light-emitting diode is disposed on the side of the liquid crystal display panel distal to the liquid crystal display panel.

Claim 16. (original) The reflective liquid crystal display according to Claim 13, wherein the light-emitting diode further comprises:

a cathode;

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an anode, under the cathode at the side facing the liquid crystal display panel; and
a luminescent layer, between the cathode and the anode.

Claims 17-19. (cancelled)

Claim 20. (original) The reflective liquid crystal display according to Claim 12,
wherein the liquid crystal display panel comprises:

- a color filter;
- a polarizer on the color filter;
- a thin-film transistor substrate without direct contact to the color filter;
- a reflection layer, formed on the thin-film transistor substrate; and
- a liquid crystal layer, filled between the color filter and the thin-film transistor substrate.

Claim 21. (original) The reflective liquid crystal display according to Claim 20,
wherein the organic light-emitting diode is directly mounted to the polarizer.